BRUHATH BANGALORE MAHANAGARA PALIKE
YELAHANKA DIVISION

Name of the work:- Improvement to Roads and Drains and Other Developmental Works At 407,707,208 Sfs, Major Akshay Girish Kumar Road Yelahanka 4th And 5th Phase And Surrounding Areas In Ward No.01,03 And 04 Of Yelahanka Division Under Amruthnagarothana Grants (Package-04)

First and Part Bill
Total Abstract

Bruhat Bengaluru Mahanagara Palike

Yelahanka Division

TOTAL ABSTRACT

Name Of work : -Improvement to Roads and Drains and Other Developmental Works At 407,707,208 Sfs, Major Akshay Girish Kumar Road Yelahanka 4th And 5th Phase And Surrounding Areas In Ward No.01,03 And 04 Of Yelahanka Division Under Amruthnagarothana Grants (Package-04)

Job Code :- 004-23-000002

Name of Agency :- M/s Sri S. R Mohan Kumar

Bill No :- 1st and Part Bill

Measurements recorded on

BOQ Item No	Description	Unit		Qty	Rate	Amount	Remarks
1	**Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead By Mechanical Means - Cement Concrete Grade M-15 & M-20 (P.No. 8, V-III, I.No. 2.8 A -of CSR 2021-22)**						
	407,707,208 SF 5th Phase Ward No 3			0.00			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4			0.00			
	4th Phase Yelhanka Ward No 3			0.00			
	Previous qty			0.00			
	Present Qty			0.00			
	Total			0.00			
	BOQ qty			2472.60			
	Qty for payment	Cum		**0.00**	977.38	0.00	
2	**Removing and resetting of footpath slab (Approved Rate)**						
	407,707,208 SF 5th Phase Ward No 3			55.98			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4			171.54			
	4th Phase Yelhanka Ward No 3			401.85			
	Previous qty			0.00			
	Present Qty			629.37			
	Total			629.37			
	BOQ qty			3770.63			
	Qty for payment	Sqm		629.37	260.71	164083.05	
3	**Dismantling kerb stone by manual means and disposal of dismantled material with all lifts and lead (V-3,P.No.10, I.No.2.21 of PWD S.R 2021-22)**						
	407,707,208 SF 5th Phase Ward No 3			0.00			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4			0.00			
	4th Phase Yelhanka Ward No 3			0.00			
	Previous qty			0.00			
	Present Qty			0.00			
	Total			0.00			
	BOQ qty			1170.00			
	TOTAL	m		0.00	19.97	0.00	
4	**Removing and resetting of kerb stones(Approved Rate)**						
	407,707,208 SF 5th Phase Ward No 3			0.00			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4			0.00			
	4th Phase Yelhanka Ward No 3			353.50			

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BOQ Item No	Description	Unit		Qty	Rate	Amount	Remarks
	Previous qty			0.00			
	Present Qty			353.50			
	Total			**353.50**			
	BOQ qty			**3036.80**			
	Qty for payment	m		**353.50**	130.91	46276.69	
5	**Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.(V-I.No 1.4.1,Page No-5 of PWD SR 2021-22)**						
	407,707,208 SF 5th Phase Ward No 3			707.10			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			614.21			
	1st A Main to 13th B Main Road Ward No 4			664.08			
	4th Phase Yelhanka Ward No 3			168.46			
	Previous qty			0.00			
	Present Qty			2153.84			
	Total			0.00			
	BOQ qty			5405.42			
	Qty for payment	Cum		**2153.84**	337.26	726403.44	
6	**Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates (V-I, No-2.1.3, P.No-15 of PWD SR 2021-22).**						
	407,707,208 SF 5th Phase Ward No 3			98.95			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			85.47			
	1st A Main to 13th B Main Road Ward No 4			96.78			
	4th Phase Yelhanka Ward No 3			0.00			
	Previous qty			0.00			
	Present Qty			281.21			
	Total			**281.21**			
	BOQ qty			**1501.19**			
	Qty for payment	Cum		**281.21**	6381.25	1794455.36	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BOQ Item No	Description	Unit		Qty	Rate	Amount	Remarks
7	**Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (V-1,P.No.17, I.No.2.4.2of PW, P&IWTD S.R 2021-22)**						
	407,707,208 SF 5th Phase Ward No 3			222.46			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			197.49			
	1st A Main to 13th B Main Road Ward No 4			212.81			
	4th Phase Yelhanka Ward No 3			0.00			
	Previous qty			0.00			
	Present Qty			632.76			
	Total			632.76			
	BOQ qty			1496.14			
	Qty for payment	Cum		632.76	7287.40	4611151.90	
8	**Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. (V-III,P.No.99, I.No.13.1.2of PW, P&IWTD S.R 2021-22) Issue Rate dated on 07-04-2022**						
	407,707,208 SF 5th Phase Ward No 3			13.40			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			11.97			
	1st A Main to 13th B Main Road Ward No 4			12.56			
	4th Phase Yelhanka Ward No 3			0.00			
	Previous qty			0.00			
	Present Qty			37.94			
	Total			37.94			
	BOQ qty			90.51			
	Qty for payment	Tonne		37.94	114632.80	4348702.66	
9	**Providing and fixing precast reinforced cement concrete covering slabs of 10cm thick made of M20 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work (Data Rate)**						
	407,707,208 SF 5th Phase Ward No 3			451.62			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			515.88			
	1st A Main to 13th B Main Road Ward No 4			361.80			
	4th Phase Yelhanka Ward No 3			125.82			
	Previous qty			0.00			
	Present Qty			1455.12			
	Total			1455.12			
	BOQ qty			3072.68			
	Qty for payment	Sqm		1455.12	2089.70	3040764.26	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BOQ Item No	Description	Unit		Qty	Rate	Amount	Remarks
10	**Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate).**						
	407,707,208 SF 5th Phase Ward No 3			23.64			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			25.90			
	1st A Main to 13th B Main Road Ward No 4			0.00			
	4th Phase Yelhanka Ward No 3			0.00			
	Previous qty			0.00			
	Present Qty			49.54			
	Total			**49.54**			
	BOQ qty			**79.00**			
	Qty for payment	Sqm		**49.54**	5080.03	**251664.69**	
11	**Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in Charge of the work (Approved Rate)**						
	407,707,208 SF 5th Phase Ward No 3			0.00			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4			1260.00			
	4th Phase Yelhanka Ward No 3			257.00			
	Previous qty			0.00			
	Present Qty			1517.00			
	Total			**1517.00**			
	BOQ qty			**7867.00**			
	TOTAL	Nos		**1517.00**	511.33	**775687.61**	
12	**Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces (V-III No-8.10,P No-56 of PWD BCSR 2021-22)**						
	407,707,208 SF 5th Phase Ward No 3			0.00			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4						
	4th Phase Yelhanka Ward No 3						
	Previous qty			0.00			
	Present Qty			0.00			
	Total			**0.00**			
	BOQ qty			**2301.95**			
	Qty for payment	Sqm		**0.00**	94.30	**0.00**	
13	**Construction of Median and Island above road level with approved material deposited at site from roadway cutting and excavation for drain and foundation of other structures, spread, graded and compacted as per clause 408 (V-3,P.No.25, I.No.4.29 of PW, P&IWTD S.R 2021-22)**						
	407,707,208 SF 5th Phase Ward No 3			0.00			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4						
	4th Phase Yelhanka Ward No 3						

Contractor

Consultant

Assistant Engineer

Executive Engineer

BOQ Item No	Description	Unit		Qty	Rate	Amount	Remarks
	Previous qty			0.00			
	Present Qty			0.00			
	Total			0.00			
	BOQ qty			106.80			
	Qty for payment	Cum		0.00	321.72	0.00	
14	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications. (V-2,P.No.64, I.No.9.31 of PW, P&IWTD S.R 2021-22)						
	407,707,208 SF 5th Phase Ward No 3			0.00			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4						
	4th Phase Yelhanka Ward No 3						
	Previous qty			0.00			
	Present Qty			0.00			
	Total			0.00			
	BOQ qty			5292.50			
	Qty for payment	Sqm		0.00	1205.91	0.00	
15	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work (V-I, P.No-8, I No-1.12)						
	407,707,208 SF 5th Phase Ward No 3			0.00			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4						
	4th Phase Yelhanka Ward No 3			0.00			
	Previous qty			0.00			
	Present Qty			0.00			
	Total			0.00			
	BOQ qty			1648.35			
	Qty for payment	Cum		0.00	72.11	0.00	
16	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density (V-III No-4.27 A,P No-24 of PWD BCSR 2021-22)						
	407,707,208 SF 5th Phase Ward No 3			0.00			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4						
	4th Phase Yelhanka Ward No 3			0.00			

Contractor

Consultant

Assistant Engineer

Executive Engineer

BOQ Item No	Description	Unit		Qty	Rate	Amount	Remarks
	Previous qty			0.00			
	Present Qty			0.00			
	Total			0.00			
	BOQ qty			531.70			
	Qty for payment	Cum		0.00	2655.89	0.00	
17	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means. (V-III No-5.1 A,P No-29 of PWD BCSR 2021-22)						
	407,707,208 SF 5th Phase Ward No 3			0.00			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4						
	4th Phase Yelhanka Ward No 3			0.00			
	Previous qty			0.00			
	Present Qty			0.00			
	Total			0.00			
	BOQ qty			2431.00			
	Qty for payment	Sqm		0.00	48.81	0.00	
18	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom. (V-III No-5.3,P No-29 of PWD BCSR 2021-22)						
	407,707,208 SF 5th Phase Ward No 3			0.00			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4						
	4th Phase Yelhanka Ward No 3			5325.95			
	Previous qty			0.00			
	Present Qty			5325.95			
	Total			5325.95			
	BOQ qty			19284.20			
	Qty for payment	Sqm		5325.95	13.31	70888.39	
19	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects (V-III No-5.12 C ,P No-33 of PWD BCSR 2021-22)						
	407,707,208 SF 5th Phase Ward No 3			0.00			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4						
	4th Phase Yelhanka Ward No 3			49.92			
	Previous qty			0.00			
	Present Qty			49.92			
	Total			49.92			
	BOQ qty			201.53			
	Qty for payment	Cum		49.92	10970.82	547663.33	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BOQ Item No	Description	Unit		Qty	Rate	Amount	Remarks
20	**Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects (V-III, P.No.36, I.No.5.16C of PWD SR 2021-22).**						
	407,707,208 SF 5th Phase Ward No 3			0.00			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4						
	4th Phase Yelhanka Ward No 3			173.10			
	Previous qty			0.00			
	Present Qty			173.10			
	Total			**173.10**			
	BOQ qty			**610.15**			
	Qty for payment	Cum		**173.10**	12792.45	**2214398.68**	
21	**Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes (V-III No-8.15,P No-57 of PWD BCSR 2021-22)**						
	407,707,208 SF 5th Phase Ward No 3			0.00			
	Govt High School Yelhanka Ward No 1			0.00			
	Major Akshay Girish Kumar Road Ward No 4			0.00			
	1st A Main to 13th B Main Road Ward No 4						
	4th Phase Yelhanka Ward No 3						
	Previous qty			0.00			
	Present Qty			0.00			
	Total			**0.00**			
	BOQ qty			**481.60**			
	Qty for payment	Sqm		**0.00**	530.29	**0.00**	
					TOTAL	**18592140.07**	
					18% GST	**3346585.21**	
					Grand Total	**21938725.28**	

Contractor

Consultant

Assistant Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಜಿ.ಬಿ.ಎ. ಬೆಂಗಳೂರು-೧೦೬

Assistant Executive Engineer

BRUHATH BANGALORE MAHANAGARA PALIKE
YELAHANKA DIVISION

Name of the work:- Improvements to Drains and Footpath at 407,707,208 SF, 5th Phase in Attur Ward No.03 of Yelahanka Sattelite Town Sub Division.

First and Part Bill
Pre Measurement

Bruhat Bengaluru Mahanagara Palike

Yelahanka Division

Name Of work : -Improvements to Drains and Footpath at 407,707,208 SF, 5th Phase in Attur Ward No.03 of Yelahanka Sattelite Town Sub Division.

Job Code :- 004-23-000002

Name of Agency :- M/s Sri S. R Mohan Kumar

Bill No :- 1st and Part Bill

Measurements recorded on

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
5	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.(V-I.No 1.4.1,Page No-5										
Measurements recorded on											
	new CC Drain										
	407 SFS 6th Cross Road										05-09-2022
	LHS										
	367.50	384.30		1	16.80			1.10	0.90	16.63	
	384.30	395.30		1	11.00			1.10	0.90	10.89	
	395.30	400.60		0	5.30			1.10	0.90	0.00	Culvert gap
	400.60	413.00		1	12.40			1.10	0.90	12.28	
	413.00	417.60		0	4.60			1.10	0.90	0.00	Culvert gap
	417.60	431.40		1	13.80			1.10	0.90	13.66	
	431.40	436.30		0	4.90			1.10	0.90	0.00	Culvert gap
	436.30	458.10		1	21.80			1.10	0.90	21.58	
	458.10	462.10		0	4.00			1.10	0.90	0.00	Culvert gap
	462.10	472.60		1	10.50			1.10	0.90	10.40	
	472.60	476.80		1	4.20			1.10	0.90	4.16	
	476.80	490.90		1	14.10			1.10	0.90	13.96	
	490.90	500.70		0	9.80			1.10	0.90	0.00	new culvert
	500.70	530.70		1	30.00			1.10	0.90	29.70	
	530.70	545.10		1	14.40			1.10	0.90	14.26	
	3rd Main road (Park Road)										06-09-2022
	LHS										
	0.00	13.00		1	13.00			1.10	0.90	12.87	
	13.00	16.00		1	3.00			1.10	0.90	2.97	
	16.00	19.50		1	3.50			1.10	0.90	3.47	
	19.50	32.70		1	13.20			1.10	0.90	13.07	
	32.70	39.70		0	7.00			1.10	0.90	0.00	Culvert Gap
	39.70	69.70		1	30.00			1.10	0.90	29.70	
	69.70	70.80		1	1.10			1.10	0.90	1.09	
	70.80	73.20		1	2.40			1.10	0.74	1.95	
	73.20	87.90		1	14.70			1.10	0.90	14.55	
	87.90	99.40		1	11.50			1.10	0.90	11.39	
	99.40	103.20		1	3.80			1.10	0.90	3.76	
	103.20	104.10		1	0.90			1.10	0.90	0.89	
	104.10	107.70		1	3.60			1.10	0.73	2.89	
	107.70	115.50		1	7.80			1.10	0.90	7.72	
	115.50	116.90		1	1.40			1.10	0.90	1.39	
	116.90	136.50		1	19.60			1.10	0.90	19.40	
	136.50	137.70		1	1.20			1.10	0.90	1.19	

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	407 SFS 6th Cross Road										
	RHS										
	34.20	40.50		1	6.30			0.60	0.50	1.89	
	73.20	81.00		1	7.80			0.60	0.50	2.34	
	114.40	121.80		1	7.40			0.60	0.50	2.22	
	159.20	165.50		1	6.30			0.60	0.50	1.89	
	407 SFS 6th Cross Road										
	LHS										
	395.30	400.60		1	5.30			0.60	0.50	1.59	
	413.00	417.60		1	4.60			0.60	0.50	1.38	
	431.40	436.30		1	4.90			0.60	0.50	1.47	
	458.10	462.10		1	4.00			0.60	0.50	1.20	
	3rd Main road (Park Road)										
	LHS										
	32.70	39.70		1	7.00			0.60	0.50	2.10	
								Total		707.10	Cum

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates (V-I, No-2.1.3, P.No-15 of PWD SR 2021-22).										
Measurements recorded on											
	407 SFS 6th Cross Road										08-09-2022
	LHS										
	367.50	384.30		1.00	16.80			0.90	0.15	2.27	
	384.30	395.30		1.00	11.00			0.90	0.15	1.49	
	395.30	400.60		0.00	5.30			0.90	0.15	0.00	Culvert gap
	400.60	413.00		1.00	12.40			0.90	0.15	1.67	
	413.00	417.60		0.00	4.60			0.90	0.15	0.00	Culvert gap
	417.60	431.40		1.00	13.80			0.90	0.15	1.86	
	431.40	436.30		0.00	4.90			0.90	0.15	0.00	Culvert gap
	436.30	458.10		1.00	21.80			0.90	0.15	2.94	
	458.10	462.10		0.00	4.00			0.90	0.15	0.00	Culvert gap
	462.10	472.60		1.00	10.50			0.90	0.15	1.42	
	472.60	476.80		1.00	4.20			0.90	0.15	0.57	
	476.80	490.90		1.00	14.10			0.90	0.15	1.90	
	490.90	500.70		0.00	9.80			0.90	0.15	0.00	new culvert
	500.70	530.70		1.00	30.00			0.90	0.15	4.05	
	530.70	545.10		1.00	14.40			0.90	0.15	1.94	
	3rd Main road (Park Road)										09-09-2022
	LHS										
	0.00	13.00		1.00	13.00			0.90	0.15	1.76	
	13.00	16.00		1.00	3.00			0.90	0.15	0.41	
	16.00	19.50		1.00	3.50			0.90	0.15	0.47	
	19.50	32.70		1.00	13.20			0.90	0.15	1.78	
	32.70	39.70		0.00	7.00			0.90	0.15	0.00	Culvert Gap
	39.70	69.70		1.00	30.00			0.90	0.15	4.05	
	69.70	70.80		1.00	1.10			0.90	0.15	0.15	
	70.80	73.20		1.00	2.40			0.90	0.15	0.32	
	73.20	87.90		1.00	14.70			0.90	0.15	1.98	
	87.90	99.40		1.00	11.50			0.90	0.15	1.55	
	99.40	103.20		1.00	3.80			0.90	0.15	0.51	
	103.20	104.10		1.00	0.90			0.90	0.15	0.12	
	104.10	107.70		1.00	3.60			0.90	0.15	0.49	
	107.70	115.50		1.00	7.80			0.90	0.15	1.05	
	115.50	116.90		1.00	1.40			0.90	0.15	0.19	
	116.90	136.50		1.00	19.60			0.90	0.15	2.65	
	136.50	137.70		1.00	1.20			0.90	0.15	0.16	
	137.70	148.60		1.00	10.90			0.90	0.15	1.47	
	407 SFS 4th Cross Road										12-09-2022
	RHS										
	0.00	6.20		1.00	6.20			0.90	0.15	0.84	
	6.20	9.80		1.00	3.60			0.90	0.15	0.49	
	9.80	22.20		1.00	12.40			0.90	0.15	1.67	
	22.20	26.10		1.00	3.90			0.90	0.15	0.53	
	26.10	38.20		1.00	12.10			0.90	0.15	1.63	
	38.20	65.60		1.00	27.40			0.90	0.15	3.70	

Contractor

Consultant

Assistant Engineer

Assistant Exeutive Engineer

BOQ Item	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	65.60	75.70		1.00	10.10			0.90	0.15	1.36	
	75.70	85.50		1.00	9.80			0.90	0.15	1.32	
	85.50	88.70		1.00	3.20			0.90	0.15	0.43	
	88.70	107.00		1.00	18.30			0.90	0.15	2.47	
	107.00	120.00		1.00	13.00			0.90	0.15	1.76	
	1st A main Road										14-09-2022
	LHS										
	0.00	30.00		1.00	30.00			0.90	0.15	4.05	
	30.00	45.00		1.00	15.00			0.90	0.15	2.03	
	1st A main in 1st cross road										
	RHS										
	0.00	28.00		1.00	28.00			0.90	0.15	3.78	
	28.00	33.50		1.00	5.50			0.90	0.15	0.74	
	33.50	37.00		1.00	3.50			0.90	0.15	0.47	
	LHS										
	0.00	28.40		1.00	28.40			0.90	0.15	3.83	
	2nd A main Road										14-09-2022
	RHS										
	0.00	30.00		0.00	30.00			0.90	0.15	0.00	
	30.00	56.60		1.00	26.60			0.90	0.15	3.59	
	56.60	59.60		1.00	3.00			0.90	0.15	0.41	
	59.60	78.10		1.00	18.50			0.90	0.15	2.50	
	78.10	81.00		1.00	2.90			0.90	0.15	0.39	
	81.00	85.80		1.00	4.80			0.90	0.15	0.65	
	85.80	89.00		1.00	3.20			0.90	0.15	0.43	
	89.00	94.60		1.00	5.60			0.90	0.15	0.76	
	94.60	100.20		1.00	5.60			0.90	0.15	0.76	
	100.20	105.90		1.00	5.70			0.90	0.15	0.77	
	105.90	113.80		1.00	7.90			0.90	0.15	1.07	
	113.80	125.80		1.00	12.00			0.90	0.15	1.62	
	125.80	129.40		1.00	3.60			0.90	0.15	0.49	
	129.40	159.40		1.00	30.00			0.90	0.15	4.05	
	159.40	166.50		1.00	7.10			0.90	0.15	0.96	
	166.50	169.50		1.00	3.00			0.90	0.15	0.41	
	169.50	173.80		1.00	4.30			0.90	0.15	0.58	
	173.80	183.90		1.00	10.10			0.90	0.15	1.36	
	183.90	212.80		1.00	28.90			0.90	0.15	3.90	
	New Culvert										
	407 SFS 6th Cross Road										08-09-2022
	LHS										
	490.90	500.70		1.00	9.80			1.00	0.20	1.96	
	3rd Main road (Park Road)										09-09-2022
	LHS										
	at CH: 145.5 at culvert			1.00	9.90			1.00	0.20	1.98	
								Total		98.95	cum

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
7	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (V-1,P.No.17, I.No.2.4.2of PW, P&IWTD S.R 2021-22)										
Measurements recorded on											
	Bottom Raft										
	407 SFS 6th Cross Road										12-09-2022
	LHS										
	367.50	384.30		1	16.80			0.90	0.15	2.27	
	384.30	395.30		1	11.00			0.90	0.15	1.49	
	395.30	400.60		0	5.30			0.90	0.15	0.00	Culvert gap
	400.60	413.00		1	12.40			0.90	0.15	1.67	
	413.00	417.60		0	4.60			0.90	0.15	0.00	Culvert gap
	417.60	431.40		1	13.80			0.90	0.15	1.86	
	431.40	436.30		0	4.90			0.90	0.15	0.00	Culvert gap
	436.30	458.10		1	21.80			0.90	0.15	2.94	
	458.10	462.10		0	4.00			0.90	0.15	0.00	Culvert gap
	462.10	472.60		1	10.50			0.90	0.15	1.42	
	472.60	476.80		1	4.20			0.90	0.15	0.57	
	476.80	490.90		1	14.10			0.90	0.15	1.90	
	490.90	500.70		0	9.80			0.90	0.15	0.00	new culvert
	500.70	530.70		1	30.00			0.90	0.15	4.05	
	530.70	545.10		1	14.40			0.90	0.15	1.94	
	3rd Main road (Park Road)										14-09-2022
	LHS										
	0.00	13.00		1	13.00			0.90	0.15	1.76	
	13.00	16.00		1	3.00			0.90	0.15	0.41	
	16.00	19.50		1	3.50			0.90	0.15	0.47	
	19.50	32.70		1	13.20			0.90	0.15	1.78	
	32.70	39.70		0	7.00			0.90	0.15	0.00	Culvert Gap
	39.70	69.70		1	30.00			0.90	0.15	4.05	
	69.70	70.80		1	1.10			0.90	0.15	0.15	
	70.80	73.20		1	2.40			0.90	0.15	0.32	
	73.20	87.90		1	14.70			0.90	0.15	1.98	
	87.90	99.40		1	11.50			0.90	0.15	1.55	
	99.40	103.20		1	3.80			0.90	0.15	0.51	
	103.20	104.10		1	0.90			0.90	0.15	0.12	
	104.10	107.70		1	3.60			0.90	0.15	0.49	
	107.70	115.50		1	7.80			0.90	0.15	1.05	
	115.50	116.90		1	1.40			0.90	0.15	0.19	
	116.90	136.50		1	19.60			0.90	0.15	2.65	
	136.50	137.70		1	1.20			0.90	0.15	0.16	
	137.70	148.60		1	10.90			0.90	0.15	1.47	
	407 SFS 4th Cross Road										17-09-2022
	RHS										
	0.00	6.20		1	6.20			0.90	0.15	0.84	
	6.20	9.80		1	3.60			0.90	0.15	0.49	
	9.80	22.20		1	12.40			0.90	0.15	1.67	

Contractor

Consultant

Assistant Engineer

Assistant Exeutive Engineer

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	LHS										
	0.00	28.40		2	28.40			0.15	0.57	4.86	
	2nd A main Road										23-09-2022
	RHS										
	0.00	30.00		0	30.00			0.15	0.60	0.00	
	30.00	56.60		2	26.60			0.15	0.60	4.79	
	56.60	59.60		2	3.00			0.15	0.52	0.47	
	59.60	78.10		2	18.50			0.15	0.60	3.33	
	78.10	81.00		2	2.90			0.15	0.55	0.48	
	81.00	85.80		2	4.80			0.15	0.60	0.86	
	85.80	89.00		2	3.20			0.15	0.55	0.53	
	89.00	94.60		2	5.60			0.15	0.60	1.01	
	94.60	100.20		2	5.60			0.15	0.53	0.89	
	100.20	105.90		2	5.70			0.15	0.60	1.03	
	105.90	113.80		2	7.90			0.15	0.55	1.30	
	113.80	125.80		2	12.00			0.15	0.60	2.16	
	125.80	129.40		2	3.60			0.15	0.43	0.46	
	129.40	159.40		2	30.00			0.15	0.60	5.40	
	159.40	166.50		2	7.10			0.15	0.60	1.28	
	166.50	169.50		2	3.00			0.15	0.41	0.37	
	169.50	173.80		2	4.30			0.15	0.60	0.77	
	173.80	183.90		2	10.10			0.15	0.43	1.30	
	183.90	212.80		2	28.90			0.15	0.60	5.20	
	New Culvert										
	407 SFS 6th Cross Road										15-09-2022
	LHS										
	490.90	500.70		2	9.80			0.20	0.47	1.84	
	3rd Main road (Park Road)										17-09-2022
	LHS										
	at CH: 145.5 at culvert			2	9.90			0.20	0.43	1.70	
								Total		**222.46**	cum

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

BOQ Item	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
8	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. (V-III,P.No.99, I.No.13.1.2of PW, P&IWTD S.R 2021-22) Issue Rate dated on 07-04-2022									
Measurements recorded on										
	New Drain									
	407 SFS 6th Cross Road									10-09-2022
	LHS									
	Ch 367.00 to 545.10 m									
	10 mm main U bars									
	main bars		1490	1.90			0.617		1746.73	
	Distribution bars									
	8mm Dia bars									
	main bars		18	149.00			0.395		1059.39	
	Chairs 8mm		25	0.30			0.395		2.9625	
	3rd Main road (Park Road)									12-09-2022
	LHS									
	Ch 0.00 to 148.6 m									
	10 mm main U bars									
	main bars		1416	1.86			0.617		1625.03	
	Distribution bars									
	8mm Dia bars									
	main bars		18	141.60			0.395		1006.78	
	Chairs 8mm		25	0.30			0.395		2.9625	
	407 SFS 4th Cross Road									14-09-2022
	RHS									
	Ch 0.00 to 120.00 m									
	10 mm main U bars									
	main bars		1200	1.70			0.617		1258.68	
	Distribution bars									
	8mm Dia bars									
	main bars		17	120.00			0.395		805.80	
	Chairs 8mm		25	0.30			0.395		2.9625	
	1st A main Road									16-09-2022
	LHS									
	Ch 0.00 to 45.00 m									
	10 mm main U bars									
	main bars		450	1.84			0.617		510.88	
	Distribution bars									
	8mm Dia bars									
	main bars		17	45.00			0.395		302.18	
	Chairs 8mm		25	0.30			0.395		2.9625	
	1st A main in 1st cross road									16-09-2022
	RHS									
	Ch 0.00 to 37.00 m									
	10 mm main U bars									
	main bars		372	1.64			0.617		376.42	
	Distribution bars									
	8mm Dia bars									
	main bars		19	37.00			0.395		277.69	
	Chairs 8mm		25	0.30			0.395		2.9625	
	1st A main in 1st cross road									
	LHS									

BOQ Item	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Ch 0.00 to 28.40 m									
	10 mm main U bars									
	main bars		284	1.84			0.617		322.42	
	Distribution bars									
	8mm Dia bars									
	main bars		17	28.40			0.395		190.71	
	Chairs 8mm		25	0.30			0.395		2.9625	
	2nd A main Road									16-09-2022
	RHS									
	Ch 0.00 to105.9 m									
	10 mm main U bars									
	main bars		759	1.84			0.617		861.68	
	Distribution bars									
	8mm Dia bars									
	main bars		17	75.90			0.395		509.67	
	Chairs 8mm		25	0.30			0.395		2.9625	
	Ch 105.90 to 212.80 m									
	10 mm main U bars									
	main bars		1069	1.78			0.617		1174.04	
	Distribution bars									
	8mm Dia bars									
	main bars		18	106.90			0.395		760.06	
	Chairs 8mm		25	0.30			0.395		2.9625	
	New Culverts									
	407 SFS 6th Cross Road									10-09-2022
	LHS									
	Ch 490.9 to 500.70									
	12 mm main U bars									
	inner main bars		57.0	1.60			0.889		81.07	
	outer main bars		57.0	2.19			0.889		110.96	
	Distribution bars									
	10mm Dia bars									
	inner main bars		7.0	9.80			0.617		42.33	
	outer main bars		9.0	9.80			0.617		54.42	
	Chairs 8mm		28	0.30			0.617		5.18	
	3rd Main road (Park Road)									12-09-2022
	LHS									
	at CH: 145.5 at culvert									
	12 mm main U bars									
	inner main bars		58.0	1.60			0.889		82.49	
	outer main bars		58.0	2.11			0.889		108.78	
	Distribution bars									
	10mm Dia bars									
	inner main bars		7.0	9.90			0.617		42.76	
	outer main bars		9.0	9.90			0.617		54.97	
	Chairs 8mm		28	0.30			0.617		5.18	
								Kgs	13399.98	
							Total		**13.40**	Tonne

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

Bruhat Bengaluru Mahanagara Palike

Yelahanka Division

Name Of work : -Improvements to Drains and Footpath at 407,707,208 SF, 5th Phase in Attur Ward No.03 of Yelahanka Sattelite Town Sub Division.

Job Code :- 004-23-000002

Name of Agency :- M/s Sri S. R Mohan Kumar

Bill No :- 1st and Part Bill

Measurements recorded on

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit	Rate	Amount
2	Removing and resetting of footpath slab (Approved Rate)												
Measurements recorded on													
	407 SFS 6th Cross Road												03-10-2022
	LHS												
	384.30	395.30		1	11.00			0.90		9.90			
	472.60	476.80		1	4.20			0.90		3.78			
	3rd Main road (Park Road)												
	LHS												
	13.00	16.00		1	3.00			0.90		2.70			
	19.50	32.70		1	13.20			0.90		11.88			
	70.80	73.20		1	2.40			0.90		2.16			
	87.90	99.40		1	11.50			0.90		10.35			
	104.10	107.70		1	3.60			0.90		3.24			
	115.50	116.90		1	1.40			0.90		1.26			
	136.50	137.70		1	1.20			0.90		1.08			
	407 SFS 4th Cross Road												
	RHS												
	6.20	9.80		1	3.60			0.90		3.24			
	22.20	26.10		1	3.90			0.90		3.51			
	85.50	88.70		1	3.20			0.90		2.88			
								Total Qty		55.98	**Cum**	260.71	14594.55
5	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of [illegible]												
Measurements recorded on													
	Qty vide Pre measurement sheet page no .												
								Total		707.10	**Cum**	337.26	238475.64
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates (V-I, No-2.1.3, P.No-15 of PWD SR 2021-22).												
Measurements recorded on													
	Qty vide Pre measurement sheet page no .												
								Total		98.95	**Cum**	6381.25	631443.83

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BOQ Item	Description / Chainage	Side	Nos	L	B1	B2 / width	h	Quantity	Unit	Rate	Amount
7	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc. complete										
Measurements recorded on											
	Qty vide Pre measurement sheet page no .										
							Total	222.46	cum	7287.40	1621142.62
8	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. (V-III,P.No.99, I.No.13.1.2of PW, P&IWTD S.R 2021-22) Issue Rate dated on 07-04-2022										
Measurements recorded on											
	Qty vide Pre measurement sheet page no .										
							Total	13.40	Tonne	114632.80	1536076.69
9	Providing and fixing precast reinforced cement concrete covering slabs of 10cm thick made of M20 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work (Data Rate)										
Measurements recorded on											
	407 SFS 6th Cross Road										03-10-2022
	LHS										
	367.50	384.30		1	16.80		0.90	15.12		from CH 337	
	395.30	400.60		0	5.30		0.90	0.00	Culvert gap		
	400.60	413.00		1	12.40		0.90	11.16			
	413.00	417.60		0	4.60		0.90	0.00	Culvert gap		
	417.60	431.40		1	13.80		0.90	12.42			
	431.40	436.30		0	4.90		0.90	0.00	Culvert gap		
	436.30	458.10		1	21.80		0.90	19.62			
	458.10	462.10		0	4.00		0.90	0.00	Culvert gap		
	462.10	472.60		1	10.50		0.90	9.45			
	476.80	490.90		1	14.10		0.90	12.69			
	490.90	500.70		0	9.80		0.90	0.00	new culvert		
	500.70	530.70		1	30.00		0.90	27.00			
	530.70	545.10		1	14.40		0.90	12.96			
	3rd Main road (Park Road)										
	LHS										
	0.00	30.00		1	30.00		0.90	27.00			
	30.00	32.70		1	2.70		0.90	2.43			
	39.70	69.70		1	30.00		0.90	27.00			
	69.70	70.80		1	1.10		0.90	0.99			
	70.80	73.20		1	2.40		0.90	2.16			
	73.20	103.20		1	30.00		0.90	27.00			
	103.20	104.10		1	0.90		0.90	0.81			
	104.10	107.70		1	3.60		0.90	3.24			

06/02/2023

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BOQ Item	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit	Rate	Amount
	Chainage												
	107.70	137.70		1	30.00			0.90		27.00			
	137.70	148.60		1	10.90			0.90		9.81			
	3rd Main road (Park Road)												
	LHS												
	0.00	13.00		1	13.00			0.90		11.70			
	16.00	19.50		1	3.50			0.90		3.15			
	39.70	69.70		1	30.00			0.90		27.00			
	69.70	70.80		1	1.10			0.90		0.99			
	73.20	87.90		1	14.70			0.90		13.23			
	99.40	103.20		1	3.80			0.90		3.42			
	103.20	104.10		1	0.90			0.90		0.81			
	107.70	115.50		1	7.80			0.90		7.02			
	116.90	136.50		1	19.60			0.90		17.64			
	137.70	148.60		1	10.90			0.90		9.81		Harsh Bakery	
	407 SFS 4th Cross Road												
	RHS												
	6.20	9.80		1	3.60			0.90		3.24			
	22.20	26.10		1	3.90			0.90		3.51			
	85.50	88.70		1	3.20			0.90		2.88			
	1st A main Road												
	LHS												
	0.00	30.00		1	30.00			0.90		27.00			
	30.00	45.00		1	15.00			0.90		13.50			
	1st A main in 1st cross												
	RHS												
	0.00	28.00		1	28.00			0.90		25.20			
	28.00	33.50		1	5.50			0.90		4.95			
	33.50	37.00		1	3.50			0.90		3.15			
	LHS												
	0.00	28.40		1	28.40			0.90		25.56			
							Total qty			451.62	Sqm	2089.70	943750.31
10	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately). M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregate												
	Measurements recorded on												03-10-2022
	New Culvert												
	407 SFS 6th Cross Road												
	LHS												
	490.90	500.70		1	9.80			1.20		11.76			
	3rd Main road (Park Road)												
	LHS												
	at CH: 145.5 at culvert			1	9.90			1.20		11.88			
							Total qty			23.64	Sqm	5080.03	120091.91
												Total	5105575.54
												18% GST	919003.60
												Grand Total	6024579.14

06/03/2023

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Bruhat Bengaluru Mahanagara Palike

Yelahanka Division

Name Of work : - Footpath Improvements and drain construction in Major Akshay Girishkumar Road in Yelahanka New Town in Ward No.04 of Yelahanka Satellite Town Sub Division.

Job Code :- 004-23-000002

Name of Agency :- M/s Sri S. R Mohan Kumar

Bill No :- 1st and Part Bill

Measurements recorded on

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
5	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.(V-I.No 1.4.1,Page No-5 of PWD SR 2021-22)										
Measurements recorded on											
	new CC Drain										
	13th A Main Road(Major Akshay Girishkumar Road)										
	LHS										26-09-2022
	0.00	30.00		1	30.00			1.10	0.90	29.70	
	30.00	35.40		1	5.40			1.10	0.90	5.35	
	35.40	45.30		0	9.90			1.10	0.87	0.00	4th A C/s
	45.30	65.00		0	19.70			1.10	0.87	0.00	no work
	65.00	95.00		1	30.00			1.10	0.87	28.71	
	95.00	125.00		1	30.00			1.10	0.87	28.71	
	125.00	152.00		1	27.00			1.10	0.87	25.84	
	152.00	171.00		0	19.00			1.10	0.87	0.00	no work
	171.00	197.00		1	26.00			1.10	0.87	24.88	
	197.00	206.00		0	9.00			1.10	0.87	0.00	7th A C/s
	206.00	236.00		1	30.00			1.10	0.87	28.71	
	236.00	244.00		1	8.00			1.10	0.87	7.66	
	243.00	255.00		0	12.00			1.10	0.87	0.00	8th A C/s
	255.70	285.70		1	30.00			1.10	0.87	28.71	
	285.70	289.10		1	3.40			1.10	0.87	3.25	
	289.10	301.80		0	12.70			1.10	0.87	0.00	9th A C/s
	301.80	331.80		1	30.00			1.10	0.87	28.71	29-09-2022
	331.80	354.00		1	22.20			1.10	0.87	21.25	
	354.00	374.00		0	20.00			1.10	0.87	0.00	no work at clg
	374.00	395.00		1	21.00			1.10	0.87	20.10	
	395.00	413.60		0	18.60			1.10	0.87	0.00	no work at clg
	413.60	436.00		1	22.40			1.10	0.87	21.44	
	436.00	442.80		1	6.80			1.10	0.72	5.39	
	442.80	471.40		1	28.60			1.10	0.86	27.06	
	471.40	490.30		0	18.90			1.10	0.90	0.00	no work at vidyakendra
	490.30	520.30		1	30.00			1.10	0.86	28.38	
	520.30	547.60		1	27.30			1.10	0.86	25.83	
	547.60	557.70		0	10.10			1.10	0.87	0.00	no work at Cambridge
	557.70	587.70		1	30.00			1.10	0.86	28.38	
	587.70	600.00		1	12.30			1.10	0.87	11.77	
	600.00	630.00		1	30.00			1.10	0.86	28.38	03-10-2022
	630.00	653.00		1	23.00			1.10	0.91	23.02	

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

BOQ Item	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	653.00	660.20		1	7.20			1.10	0.91	7.21	Rr slab BWSSB Water Entry
	660.20	661.90		1	1.70			1.10	0.91	1.70	
	661.90	679.50		1	17.60			1.10	1.12	21.68	
	679.50	709.50		1	30.00			1.10	1.02	33.66	
	709.50	729.00		1	19.50			1.10	0.98	21.02	
	729.00	745.60		1	16.60			1.10	0.91	16.62	
	745.60	749.80		1	4.20			1.10	0.83	3.83	RR slab BWSSB Exit gate
	749.80	756.40		1	6.60			1.10	0.91	6.61	
	Culvert										26-09-2022
	LHS										
	244.00	255.00		1	11.00			1.20	0.70	9.24	8th A C/s
	289.10	301.80		1	12.70			1.20	0.75	11.43	9th A C/s
								Total		614.21	Cum

Contractor

Consultant

Assistant Enginder

Assistant Exexutive Engineer

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates (V-I, No-2.1.3, P.No-15 of PWD SR 2021-22).										
Measurements recorded on											
	13th A Main Road(Major Akshay Girishkumar Road)										30-09-2022
	LHS										
	0.00	30.00		1	30.00			0.90	0.15	4.05	
	30.00	35.40		1	5.40			0.90	0.15	0.73	
	35.40	45.30		0	9.90			0.90	0.15	0.00	
	45.30	65.00		0	19.70			0.90	0.15	0.00	no work
	65.00	95.00		1	30.00			0.90	0.15	4.05	
	95.00	125.00		1	30.00			0.90	0.15	4.05	
	125.00	152.00		1	27.00			0.90	0.15	3.65	
	152.00	171.00		0	19.00			0.90	0.15	0.00	no work
	171.00	197.00		1	26.00			0.90	0.15	3.51	
	197.00	206.00		0	9.00			0.90	0.15	0.00	7th A C/s
	206.00	236.00		1	30.00			0.90	0.15	4.05	
	236.00	244.00		1	8.00			0.90	0.15	1.08	
	243.00	255.00		0	12.00			0.90	0.15	0.00	8th A C/s
	255.70	285.70		1	30.00			0.90	0.15	4.05	
	285.70	289.10		1	3.40			0.90	0.15	0.46	
	289.10	301.80		0	12.70			0.90	0.15	0.00	9th A C/s
	301.80	331.80		1	30.00			0.90	0.15	4.05	03-10-2022
	331.80	354.00		1	22.20			0.90	0.15	3.00	
	354.00	374.00		0	20.00			0.90	0.15	0.00	no work at clg
	374.00	395.00		1	21.00			0.90	0.15	2.84	
	395.00	413.60		0	18.60			0.90	0.15	0.00	no work at clg
	413.60	436.00		1	22.40			0.90	0.15	3.02	
	436.00	442.80		1	6.80			0.90	0.15	0.92	
	442.80	471.40		1	28.60			0.90	0.15	3.86	
	471.40	490.30		0	18.90			0.90	0.15	0.00	no work at vidyakendra
	490.30	520.30		1	30.00			0.90	0.15	4.05	
	520.30	547.60		1	27.30			0.90	0.15	3.69	
	547.60	557.70		0	10.10			0.90	0.15	0.00	no work at Cambridge
	557.70	587.70		1	30.00			0.90	0.15	4.05	
	587.70	600.00		1	12.30			0.90	0.15	1.66	
	600.00	630.00		1	30.00			0.90	0.15	4.05	06-10-2022
	630.00	653.00		1	23.00			0.90	0.15	3.11	
	653.00	660.20		1	7.20			0.90	0.15	0.97	Rr slab BWSSB Water Entry
	660.20	661.90		1	1.70			0.90	0.15	0.23	
	661.90	679.50		1	17.60			0.90	0.15	2.38	
	679.50	709.50		1	30.00			0.90	0.15	4.05	
	709.50	729.00		1	19.50			0.90	0.15	2.63	

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

BOQ Item	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	729.00	745.60		1	16.60			0.90	0.15	2.24	
	745.60	749.80		1	4.20			0.90	0.15	0.57	RR slab BWSSB Exit gate
	749.80	756.40		1	6.60			0.90	0.15	0.89	
	Culvert										
	LHS										30-09-2022
	244.00	255.00		1	11.00			1.00	0.15	1.65	
	289.10	301.80		1	12.70			1.00	0.15	1.91	
								Total		85.47	cum

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
7	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (V-1,P.No.17, I.No.2.4.2of PW, P&IWTD S.R										
Measurements recorded on											
	Bottom Raft										06-10-2022
	13th A Main Road(Major Akshay Girishkumar Road)										
	LHS										
	0.00	30.00		1	30.00			0.90	0.15	4.05	
	30.00	35.40		1	5.40			0.90	0.15	0.73	
	35.40	45.30		0	9.90			0.90	0.15	0.00	
	45.30	65.00		0	19.70			0.90	0.15	0.00	no work
	65.00	95.00		1	30.00			0.90	0.15	4.05	
	95.00	125.00		1	30.00			0.90	0.15	4.05	
	125.00	152.00		1	27.00			0.90	0.15	3.65	
	152.00	171.00		0	19.00			0.90	0.15	0.00	no work
	171.00	197.00		1	26.00			0.90	0.15	3.51	
	197.00	206.00		0	9.00			0.90	0.15	0.00	7th A C/s
	206.00	236.00		1	30.00			0.90	0.15	4.05	
	236.00	244.00		1	8.00			0.90	0.15	1.08	
	243.00	255.00		0	12.00			0.90	0.15	0.00	8th A C/s
	255.70	285.70		1	30.00			0.90	0.15	4.05	
	285.70	289.10		1	3.40			0.90	0.15	0.46	
	289.10	301.80		0	12.70			0.90	0.15	0.00	9th A C/s
	301.80	331.80		1	30.00			0.90	0.15	4.05	11-10-2022
	331.80	354.00		1	22.20			0.90	0.15	3.00	
	354.00	374.00		0	20.00			0.90	0.15	0.00	no work at clg
	374.00	395.00		1	21.00			0.90	0.15	2.84	
	395.00	413.60		0	18.60			0.90	0.15	0.00	no work at clg
	413.60	436.00		1	22.40			0.90	0.15	3.02	
	436.00	442.80		1	6.80			0.90	0.15	0.92	
	442.80	471.40		1	28.60			0.90	0.15	3.86	
	471.40	490.30		0	18.90			0.90	0.15	0.00	no work at vidyakendra
	490.30	520.30		1	30.00			0.90	0.15	4.05	
	520.30	547.60		1	27.30			0.90	0.15	3.69	
	547.60	557.70		0	10.10			0.90	0.15	0.00	no work at Cambridge
	557.70	587.70		1	30.00			0.90	0.15	4.05	
	587.70	600.00		1	12.30			0.90	0.15	1.66	
	600.00	630.00		1	30.00			0.90	0.15	4.05	12-10-2022
	630.00	653.00		1	23.00			0.90	0.15	3.11	
	653.00	660.20		1	7.20			0.90	0.15	0.97	Rr slab BWSSB Water Entry
	660.20	661.90		1	1.70			0.90	0.15	0.23	
	661.90	679.50		1	17.60			0.90	0.15	2.38	
	679.50	709.50		1	30.00			0.90	0.15	4.05	

Contractor

Consultant

Assistant Engineer

Assistant Exeutive Engineer

BOQ Item	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	729.00	745.60		2	16.60			0.15	0.61	3.04	
	745.60	749.80		2	4.20			0.15	0.53	0.67	
	749.80	756.40		2	6.60			0.15	0.61	1.21	
	Culvert										
	LHS										
	244.00	255.00		2	11.00			0.20	0.35	1.54	10-10-2022
	289.10	301.80		2	12.70			0.20	0.40	2.03	
								Total		197.49	cum

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

BOQ Item	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
8	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. (V-III,P.No.99, I.No.13.1.2of PW, P&IWTD S.R 2021-22) Issue Rate dated on 07-04-2022									
Measurements recorded on										
	13th A Main Road(Major Akshay Girishkumar Road)									
	LHS									
	New Drain									
	Ch 0.00 to 95.00 m									03-10-2022
	10 mm main U bars									
	main bars		654	1.88			0.617		758.61	
	Distribution bars									
	8mm Dia bars									
	main bars		17	65.40			0.395		439.16	
	Chairs 8mm		25	0.30			0.395		2.9625	
	Ch 95.00 to 206.00 m									03-10-2022
	10 mm main U bars									
	main bars		830	1.84			0.617		942.28	
	Distribution bars									
	8mm Dia bars									
	main bars		18	83.00			0.395		590.13	
	Chairs 8mm		25	0.30			0.395		2.9625	
	Ch 206.00 to 331.80 m									
	10 mm main U bars									
	main bars		1014	1.84			0.617		1151.17	
	Distribution bars									
	8mm Dia bars									
	main bars		18	101.40			0.395		720.95	
	Chairs 8mm		25	0.30			0.395		2.9625	
	Ch 331.80 to 442.80 m									05-10-2022
	10 mm main U bars									
	main bars		724	1.78			0.617		795.14	
	Distribution bars									
	8mm Dia bars									
	main bars		18	72.40			0.395		514.76	
	Chairs 8mm		25	0.30			0.395		2.9625	
	Ch 442.80 to 547.60 m									05-10-2022
	10 mm main U bars									
	main bars		859	1.84			0.617		975.21	
	Distribution bars									
	8mm Dia bars									
	main bars		17	85.90			0.395		576.82	
	Chairs 8mm		25	0.30			0.395		2.9625	
	Ch 547.60 to653.00 m									
	10 mm main U bars									
	main bars		953	1.86			0.617		1093.68	
	Distribution bars									
	8mm Dia bars									
	main bars		17	95.30			0.395		639.94	
	Chairs 8mm		25	0.30			0.395		2.9625	
	Ch 653.00 to 756.40 m									08-10-2022
	10 mm main U bars									
	main bars		1034	2.00			0.617		1275.96	
	Distribution bars									
	8mm Dia bars									

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

BOQ Item	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	main bars		20	103.40			0.395		816.86	
	Chairs 8mm		25	0.30			0.395		2.9625	
	New Culverts									
	12 mm main U bars									03-10-2022
	inner main bars		136.0	1.46			0.889		176.50	
	outer main bars		136.0	2.17			0.889		262.33	
	Distribution bars									
	10mm Dia bars									
	inner main bars		6.0	23.70			0.617		87.74	
	outer main bars		9.0	23.70			0.617		131.61	
	Chairs 8mm		25	0.30			0.617		4.63	
								Kgs	11974.22	
							Total		**11.97**	**Tonne**

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

Bruhat Bengaluru Mahanagara Palike

Yelahanka Division

Name Of work : - Footpath Improvements and drain construction in Major Akshay Girishkumar Road in Yelahanka New Town in Ward No.04 of Yelahanka Satellite Town Sub Division.

Job Code :- 004-23-000002

Name of Agency :- M/s Sri S. R Mohan Kumar

Bill No :- 1st and Part Bill

Measurements recorded on

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit	Rate	Amount
5	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.(V-I.No											
Measurements recorded on												
	Qty vide Pre measurement sheet page no .											
								Total	614.21	Cum	337.20	207147.79
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to											
Measurements recorded on												
	Qty vide Pre measurement sheet page no .											
								Total	85.47	Cum	6381.25	545424.58
7	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per											
Measurements recorded on												
	Qty vide Pre measurement sheet page no .											
								Total	197.49	cum	7287.40	1439203.20
8	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. (V-III,P.No.99, I.No.13.1.2of PW, P&IWTD S.R 2021-22) Issue Rate dated on 07-04-2022											
Measurements recorded on												
	Qty vide Pre measurement sheet page no .											
								Total	11.97	Tonne	114632.80	1372638.53

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit	Rate	Amount
9	Providing and fixing precast reinforced cement concrete covering slabs of 10cm thick made of M20 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work (Data Rate)											
Measurements recorded on												25-10-2022
	13th A Main Road(Major Akshay											
	LHS											
	0.00	30.00		1.00	30.00			0.90	27.00			
	30.00	35.40		1.00	5.40			0.90	4.86			
	65.00	95.00		1.00	30.00			0.90	27.00			
	95.00	125.00		1.00	30.00			0.90	27.00			
	125.00	152.00		1.00	27.00			0.90	24.30			
	171.00	197.00		1.00	26.00			0.90	23.40			
	206.00	236.00		1.00	30.00			0.90	27.00			
	236.00	244.00		1.00	8.00			0.90	7.20			
	255.70	285.70		1.00	30.00			0.90	27.00			
	285.70	289.10		1.00	3.40			0.90	3.06			
	301.80	331.80		1.00	30.00			0.90	27.00			
	354.00	374.00		0.00	20.00			0.90	0.00			
	374.00	395.00		1.00	21.00			0.90	18.90			
	413.60	436.00		1.00	22.40			0.90	20.16			
	436.00	442.80		1.00	6.80			0.90	6.12			
	442.80	471.40		1.00	28.60			0.90	25.74			
	490.30	520.30		1.00	30.00			0.90	27.00			
	520.30	547.60		1.00	27.30			0.90	24.57			
	557.70	587.70		1.00	30.00			0.90	27.00			
	587.70	600.00		1.00	12.30			0.90	11.07			
	600.00	630.00		1.00	30.00			0.90	27.00			
	630.00	653.00		1.00	23.00			0.90	20.70			
	660.20	661.90		1.00	1.70			0.90	1.53			
	661.90	679.50		1.00	17.60			0.90	15.84			
	679.50	709.50		1.00	30.00			0.90	27.00			
	709.50	729.00		1.00	19.50			0.90	17.55			
	729.00	745.60		1.00	16.60			0.90	14.94			
	749.80	756.40		1.00	6.60			0.90	5.94			
								Total qty	515.88	Sqm	2089.70	1078034.44
10	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides											
Measurements recorded on												25-10-2022
	Culvert											
	LHS											
	244.00	255.00		1.00	11.00			1.20	13.20			
	289.10	301.80		1.00	12.70			1.20	12.70			
								Total qty	25.90	Sqm	5080.03	131572.78
											Total	4774021.32
											18% GST	859323.84
											Grand Total	5633345.15

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Bruhat Bengaluru Mahanagara Palike

Yelahanka Division

Name Of work : - Improvements to Roads and Footpath from 1st A main Road to 13th B main Road and Surrounding Area Ward No.04 of Yelahanka Sattelite Town Sub Division.

Job Code :- 004-23-000002

Name of Agency :- M/s Sri S. R Mohan Kumar

Bill No :- 1st and Part Bill

Measurements recorded on

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
5	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.(V-I.No 1.4.1,Page No-5 of PWD SR 2021-22)										
Measurements recorded on											
	new CC Drain										
	11th B Cross Road										15-09-2022
	LHS										
	0.00	24.00		1	24.00			1.10	0.90	23.76	
	24.00	30.00		1	6.00			1.10	0.90	5.94	
	30.00	41.50		1	11.50			1.10	0.90	11.39	
	41.50	50.80		0	9.30			1.10	0.90	0.00	C/s rd
	50.80	61.10		1	10.30			1.10	0.90	10.20	
	61.10	64.10		1	3.00			1.10	0.90	2.97	
	64.10	79.10		1	15.00			1.10	0.90	14.85	
	79.10	86.90		0	7.80			1.10	0.90	0.00	C/s rd
	86.90	130.50		1	43.60			1.10	0.90	43.16	
	RHS										
	0.00	18.50		1	18.50			1.10	0.90	18.32	
	18.50	35.20		1	16.70			1.10	0.90	16.53	
	35.20	37.10		1	1.90			1.10	0.90	1.88	
	37.10	38.70		1	1.60			1.10	0.90	1.58	
	38.70	59.80		1	21.10			1.10	0.90	20.89	
	59.80	66.20		1	6.40			1.10	0.90	6.34	
	66.20	71.70		1	5.50			1.10	0.90	5.45	
	71.70	84.70		1	13.00			1.10	0.90	12.87	
	1st B Main Road										19-09-2022
	LHS										
	0.00	10.70		1	10.70			1.10	0.73	8.59	
	10.70	14.00		1	3.30			1.10	0.64	2.32	
	14.00	28.50		1	14.50			1.10	0.90	14.36	
	28.50	32.10		1	3.60			1.10	0.67	2.65	
	32.10	42.70		1	10.60			1.10	0.87	10.14	
	42.70	52.00		1	9.30			1.10	0.77	7.88	
	52.00	55.30		1	3.30			1.10	0.70	2.54	
	55.30	68.80		1	13.50			1.10	0.87	12.92	
	68.80	83.30		1	14.50			1.10	0.70	11.17	
	83.30	86.80		1	3.50			1.10	0.62	2.39	
	86.80	116.50		1	29.70			1.10	0.89	29.08	
	116.50	122.10		1	5.60			1.10	0.77	4.74	
	122.10	124.70		1	2.60			1.10	0.87	2.49	
	124.70	138.70		1	14.00			1.10	0.87	13.40	
	138.70	141.80		1	3.10			1.10	0.58	1.98	

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

BOQ Item	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	141.80	149.10		1	7.30			1.10	0.84	6.75	
	149.10	152.10		1	3.00			1.10	0.74	2.44	
	152.10	155.90		1	3.80			1.10	0.88	3.68	
	155.90	160.20		1	4.30			1.10	0.88	4.16	
	160.20	169.80		1	9.60			1.10	0.71	7.50	
	169.80	181.30		1	11.50			1.10	0.86	10.88	
	181.30	193.50		1	12.20			1.10	0.91	12.21	
	193.50	202.00		1	8.50			1.10	0.85	7.95	
	RHS										
	40.70	68.80		1	28.10			1.10	0.86	26.58	
	68.80	91.20		1	22.40			1.10	0.87	21.44	
	100.30	108.80		1	8.50			1.10	0.58	5.42	
	108.80	115.30		1	6.50			1.10	0.65	4.65	
	115.30	127.60		1	12.30			1.10	0.58	7.85	
	127.60	145.60		1	18.00			1.10	0.70	13.86	
	145.60	152.40		1	6.80			1.10	0.86	6.43	
	152.40	158.70		1	6.30			1.10	0.70	4.85	
	158.70	161.70		1	3.00			1.10	0.85	2.81	
	161.70	164.90		1	3.20			1.10	0.85	2.99	
	164.90	177.40		1	12.50			1.10	0.70	9.63	
	177.40	179.50		1	2.10			1.10	0.59	1.36	
	179.50	182.00		1	2.50			1.10	0.59	1.62	
	182.00	189.00		1	7.00			1.10	0.60	4.62	
	189.00	192.40		1	3.40			1.10	0.85	3.18	
	192.40	193.50		1	1.10			1.10	0.59	0.71	
	193.50	195.10		1	1.60			1.10	0.83	1.46	
	195.10	202.10		1	7.00			1.10	0.83	6.39	
											22-09-2022
	9th B cross Road B Sector										
	LHS										
	0.00	18.80		1	18.80			1.10	0.87	17.99	
	18.80	22.30		1	3.50			1.10	0.48	1.85	
	22.30	27.30		1	5.00			1.10	0.81	4.46	
	27.30	32.90		1	5.60			1.10	0.60	3.70	
	11th B main Road										
	RHS										
	0.00	27.80		1	27.80			1.10	0.90	27.52	
	27.80	30.80		1	3.00			1.10	0.82	2.71	
	30.80	55.00		1	24.20			1.10	0.90	23.96	
	55.00	71.90		1	16.90			1.10	0.89	16.55	
	71.90	75.90		0	4.00			1.10	0.90	0.00	No work Laxmi nilaya
	75.90	100.00		1	24.10			1.10	0.90	23.86	
	100.00	130.00		1	30.00			1.10	0.90	29.70	
	130.00	135.60		1	5.60			1.10	0.90	5.54	
											19-09-2022
	Desilt										
	1st B Main Road										
	RHS										
	91.20	100.30		1	9.10			0.60	0.38	2.07	Culvert
								Total		664.08	Cum

Assistant Exexutive Engineer

BOQ Item	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates (V-I, No-2.1.3, P.No-15 of PWD SR 2021-22).									
Measurements recorded on										17-09-2022
	11th B Cross Road									
	LHS									
	0.00	24.00	1	24.00			0.90	0.15	3.24	
	24.00	30.00	1	6.00			0.90	0.15	0.81	
	30.00	41.50	1	11.50			0.90	0.15	1.55	
	41.50	50.80	0	9.30			0.90	0.15	0.00	C/s rd
	50.80	61.10	1	10.30			0.90	0.15	1.39	
	61.10	64.10	1	3.00			0.90	0.15	0.40	
	64.10	79.10	1	15.00			0.90	0.15	2.03	
	79.10	86.90	0	7.80			0.90	0.15	0.00	C/s rd
	86.90	130.50	1	43.60			0.90	0.15	5.89	
	RHS									
	0.00	18.50	1	18.50			0.90	0.15	2.50	
	18.50	35.20	1	16.70			0.90	0.15	2.25	
	35.20	37.10	1	1.90			0.90	0.15	0.26	
	37.10	38.70	1	1.60			0.90	0.15	0.22	
	38.70	59.80	1	21.10			0.90	0.15	2.85	
	59.80	66.20	1	6.40			0.90	0.15	0.86	
	66.20	71.70	1	5.50			0.90	0.15	0.74	
	71.70	84.70	1	13.00			0.90	0.15	1.76	
	1st B Main Road									22-09-2022
	LHS									
	0.00	10.70	1	10.70			0.90	0.15	1.44	
	10.70	14.00	1	3.30			0.90	0.15	0.45	
	14.00	28.50	1	14.50			0.90	0.15	1.96	
	28.50	32.10	1	3.60			0.90	0.15	0.49	
	32.10	42.70	1	10.60			0.90	0.15	1.43	
	42.70	52.00	1	9.30			0.90	0.15	1.26	
	52.00	55.30	1	3.30			0.90	0.15	0.45	
	55.30	68.80	1	13.50			0.90	0.15	1.82	
	68.80	83.30	1	14.50			0.90	0.15	1.96	
	83.30	86.80	1	3.50			0.90	0.15	0.47	
	86.80	116.50	1	29.70			0.90	0.15	4.01	
	116.50	122.10	1	5.60			0.90	0.15	0.76	
	122.10	124.70	1	2.60			0.90	0.15	0.35	
	124.70	138.70	1	14.00			0.90	0.15	1.89	
	138.70	141.80	1	3.10			0.90	0.15	0.42	
	141.80	149.10	1	7.30			0.90	0.15	0.99	
	149.10	152.10	1	3.00			0.90	0.15	0.41	
	152.10	155.90	1	3.80			0.90	0.15	0.51	
	155.90	160.20	1	4.30			0.90	0.15	0.58	
	160.20	169.80	1	9.60			0.90	0.15	1.30	
	169.80	181.30	1	11.50			0.90	0.15	1.55	
	181.30	193.50	1	12.20			0.90	0.15	1.65	
	193.50	202.00	1	8.50			0.90	0.15	1.15	
	RHS									
	40.70	68.80	1	28.10			0.90	0.15	3.79	

Assistant Engineer

Assistant Exexutive Engineer

Consultant

BOQ Item	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	68.80	91.20		1	22.40			0.90	0.15	3.02	
	100.30	108.80		1	8.50			0.90	0.15	1.15	
	108.80	115.30		1	6.50			0.90	0.15	0.88	
	115.30	127.60		1	12.30			0.90	0.15	1.66	
	127.60	145.60		1	18.00			0.90	0.15	2.43	
	145.60	152.40		1	6.80			0.90	0.15	0.92	
	152.40	158.70		1	6.30			0.90	0.15	0.85	
	158.70	161.70		1	3.00			0.90	0.15	0.41	
	161.70	164.90		1	3.20			0.90	0.15	0.43	
	164.90	177.40		1	12.50			0.90	0.15	1.69	
	177.40	179.50		1	2.10			0.90	0.15	0.28	
	179.50	182.00		1	2.50			0.90	0.15	0.34	
	182.00	189.00		1	7.00			0.90	0.15	0.95	
	189.00	192.40		1	3.40			0.90	0.15	0.46	
	192.40	193.50		1	1.10			0.90	0.15	0.15	
	193.50	195.10		1	1.60			0.90	0.15	0.22	
	195.10	202.10		1	7.00			0.90	0.15	0.95	
	9th B cross Road B Sector										26-09-2022
	LHS										
	0.00	18.80		1	18.80			0.90	0.15	2.54	
	18.80	22.30		1	3.50			0.90	0.15	0.47	
	22.30	27.30		1	5.00			0.90	0.15	0.68	
	27.30	32.90		1	5.60			0.90	0.15	0.76	
	11th B main Road										
	RHS										
	0.00	27.80		1	27.80			0.90	0.15	3.75	
	27.80	30.80		1	3.00			0.90	0.15	0.41	
	30.80	55.00		1	24.20			0.90	0.15	3.27	
	55.00	71.90		1	16.90			0.90	0.15	2.28	
	71.90	75.90		0	4.00			0.90	0.15	0.00	No work Laxmi nilaya
	75.90	100.00		1	24.10			0.90	0.15	3.25	
	100.00	130.00		1	30.00			0.90	0.15	4.05	
	130.00	135.60		1	5.60			0.90	0.15	0.76	
								Total		96.78	cum
7	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (V-1,P.No.17, I.No.2.4.2of PW, P&IWTD S.R 2021-22)										
	Measurements recorded on										
	Bottom Raft										
	11th B Cross Road										
	LHS										
	0.00	24.00		1	24.00			0.90	0.15	3.24	
	24.00	30.00		1	6.00			0.90	0.15	0.81	
	30.00	41.50		1	11.50			0.90	0.15	1.55	
	41.50	50.80		0	9.30			0.90	0.15	0.00	C/s rd
	50.80	61.10		1	10.30			0.90	0.15	1.39	
	61.10	64.10		1	3.00			0.90	0.15	0.40	
	64.10	79.10		1	15.00			0.90	0.15	2.03	

Assistant Engineer

Assistant Exexutive Engineer

Qm	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	152.10	155.90		2	3.80			0.15	0.58	0.66	
	155.90	160.20		2	4.30			0.15	0.58	0.75	
	160.20	169.80		2	9.60			0.15	0.41	1.18	
	169.80	181.30		2	11.50			0.15	0.56	1.93	
	181.30	193.50		2	12.20			0.15	0.61	2.23	
	193.50	202.00		2	8.50			0.15	0.55	1.40	
	RHS										
	40.70	68.80		2	28.10			0.15	0.56	4.72	
	68.80	91.20		2	22.40			0.15	0.57	3.83	
	100.30	108.80		2	8.50			0.15	0.28	0.71	
	108.80	115.30		2	6.50			0.15	0.35	0.68	
	115.30	127.60		2	12.30			0.15	0.28	1.03	
	127.60	145.60		2	18.00			0.15	0.40	2.16	
	145.60	152.40		2	6.80			0.15	0.56	1.14	
	152.40	158.70		2	6.30			0.15	0.40	0.76	
	158.70	161.70		2	3.00			0.15	0.55	0.50	
	161.70	164.90		2	3.20			0.15	0.55	0.53	
	164.90	177.40		2	12.50			0.15	0.40	1.50	
	177.40	179.50		2	2.10			0.15	0.29	0.18	
	179.50	182.00		2	2.50			0.15	0.29	0.22	
	182.00	189.00		2	7.00			0.15	0.30	0.63	
	189.00	192.40		2	3.40			0.15	0.55	0.56	
	192.40	193.50		2	1.10			0.15	0.29	0.10	
	193.50	195.10		2	1.60			0.15	0.53	0.25	
	195.10	202.10		2	7.00			0.15	0.53	1.11	
	9th B cross Road B Sector										
	LHS										
	-0.00	18.80		2	18.80			0.15	0.57	3.21	
	18.80	22.30		2	3.50			0.15	0.18	0.19	
	22.30	27.30		2	5.00			0.15	0.51	0.77	
	27.30	32.90		2	5.60			0.15	0.30	0.50	
	11th B main Road										
	RHS										
	0.00	27.80		2	27.80			0.15	0.60	5.00	
	27.80	30.80		2	3.00			0.15	0.52	0.47	
	30.80	55.00		2	24.20			0.15	0.60	4.36	
	55.00	71.90		2	16.90			0.15	0.59	2.99	
	71.90	75.90		0	4.00			0.15	0.60	0.00	No work Laxmi nilaya
	75.90	100.00		2	24.10			0.15	0.60	4.34	
	100.00	130.00		2	30.00			0.15	0.60	5.40	
	130.00	135.60		2	5.60			0.15	0.60	1.01	
								Total		212.81	cum
8	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. (V-III,P.No.99, I.No.13.1.2of PW, P&IWTD S.R 2021-22) Issue Rate dated on 07-04-2022										
Measurements recorded on											
	New Drain										20-09-2022
	11th B Cross Road										
	LHS										
	Ch 0.00 to 130.50 m										
	10 mm main U bars										
	main bars			1134	1.90			0.617		1329.39	

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

Bruhat Bengaluru Mahanagara Palike

Yelahanka Division

Name Of work : - Improvements to Roads and Footpath from 1st A main Road to 13th B main Road and Surrounding Area Ward No.04 of Yelahanka Sattelite Town Sub Division.

Job Code :- 004-23-000002

Name of Agency :- M/s Sri S. R Mohan Kumar

Bill No :- 1st and Part Bill

Measurements recorded on

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit	Rate	Amount
2	Removing and resetting of footpath slab (Approved Rate)												
Measurements recorded on													
	11th B Cross Road												12-10-2022
	LHS												
	24.00	30.00		1	6.00			0.90		5.40			
	61.10	64.10		1	3.00			0.90		2.70			
	RHS												
	18.50	35.20		1	16.70			0.90		15.03			
	37.10	38.70		1	1.60			0.90		1.44			
	59.80	66.20		1	6.40			0.90		5.76			
	71.70	84.70		1	13.00			0.90		11.70			
	1st B Main Road												
	LHS												
	14.00	28.50		1	14.50			0.90		13.05			
	28.50	32.10		1	1.20			0.90		1.08			
	68.80	83.30		1	14.50			0.90		13.05			
	138.70	141.80		1	3.10			0.90		2.79			
	141.80	149.10		1	7.30			0.90		6.57			
	149.10	152.10		1	3.00			0.90		2.70			
	155.90	160.20		1	4.30			0.90		3.87			
	160.20	169.80		1	9.60			0.90		8.64			
	169.80	181.30		1	11.50			0.90		10.35			
	193.50	202.00		1	1.20			0.90		1.08			
	RHS												
	100.30	108.80		1	8.50			0.90		7.65			
	127.60	145.60		1	18.00			0.90		16.20			
	145.60	152.40		1	6.80			0.90		6.12			
	152.40	158.70		1	6.30			0.90		5.67			
	158.70	161.70		1	3.00			0.90		2.70			
	164.90	177.40		1	12.50			0.90		11.25			
	179.50	182.00		1	2.50			0.90		2.25			
	195.10	202.10		1	7.00			0.90		6.30			
	9th B cross Road B Sector												
	LHS												
	18.80	22.30		1	3.50			0.90		3.15			
	27.30	32.90		1	5.60			0.90		5.04			
								Total Qty		171.54	Cum	260.71	44722.19
5	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for												

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BOQ Item	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit	Rate	Amount
Measurements recorded on												
	Qty vide Pre measurement sheet page no .											
								Total	**664.08**	**Cum**	**337.26**	**223966.54**
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of											
Measurements recorded on												
	Qty vide Pre measurement sheet page no .											
								Total	**96.78**	**Cum**	**6381.25**	**617586.95**
7	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per											
Measurements recorded on												
	Qty vide Pre measurement sheet page no .											
								Total	**212.81**	**cum**	**7287.40**	**1550806.09**
8	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. (V-III,P.No.99, I.No.13.1.2of PW, P&IWTD S.R 2021-22) Issue Rate dated on 07-04-2022											
Measurements recorded on												
	Qty vide Pre measurement sheet page no .											
								Total	**12.56**	**Tonne**	**114632.80**	**1439987.44**
9	Providing and fixing precast reinforced cement concrete covering slabs of 10cm thick made of M20 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all											
Measurements recorded on												**12-10-2022**
	11th B Cross Road											
	LHS											
	0.00	24.00		1	24.00			0.90	21.60			
	30.00	41.50		1	11.50			0.90	10.35			
	50.80	61.10		1	10.30			0.90	9.27			
	64.10	79.10		1	15.00			0.90	13.50			
	86.90	130.50		1	43.60			0.90	39.24			
	RHS											
	0.00	18.50		1	18.50			0.90	16.65			
	35.20	37.10		1	1.90			0.90	1.71			
	38.70	59.80		1	21.10			0.90	18.99			
	66.20	71.70		1	5.50			0.90	4.95			
	1st B Main Road											
	LHS											
	0.00	10.70		1	10.70			0.90	9.63			
	10.70	14.00		1	3.30			0.90	2.97			
	28.50	32.10		1	2.40			0.90	2.16			
	32.10	42.70		1	10.60			0.90	9.54			
	42.70	52.00		1	9.30			0.90	8.37			

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BOQ Item	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	y		Rate	Amount
	52.00	55.30		1	3.30			0.90		2.97			
	55.30	68.80		1	13.50			0.90		12.15			
	83.30	86.80		1	3.50			0.90		3.15			
	86.80	116.50		1	29.70			0.90		26.73			
	116.50	122.10		1	5.60			0.90		5.04			
	122.10	124.70		1	2.60			0.90		2.34			
	124.70	138.70		1	14.00			0.90		12.60			
	141.80	149.10		1	7.30			0.90		6.57			
	152.10	155.90		1	3.80			0.90		3.42			
	181.30	193.50		1	12.20			0.90		10.98			
	193.50	202.00		1	7.30			0.90		6.57			
	RHS												
	40.70	68.80		1	28.10			0.90		25.29			
	68.80	91.20		1	22.40			0.90		20.16			
	108.80	115.30		1	6.50			0.90		5.85			
	115.30	127.60		1	12.30			0.90		11.07			
	161.70	164.90		1	3.20			0.90		2.88			
	177.40	179.50		1	2.10			0.90		1.89			
	182.00	189.00		1	7.00			0.90		6.30			
	189.00	192.40		1	3.40			0.90		3.06			
	192.40	193.50		1	1.10			0.90		0.99			
	193.50	195.10		1	1.60			0.90		1.44			
	9th B cross Road B												
	LHS												
	0.00	18.80		1	18.80			0.90		16.92			
	22.30	27.30		1	5.00			0.90		4.50			
								Total qty		361.80	Sqm	2089.70	756053.46
11	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead												
Measurements recorded on													12-10-2022
	11th B Cross Road												
	LHS												
	0.00	24.00		1	24.00					24.00			
	24.00	30.00		1	6.00					6.00			
	30.00	41.50		1	11.50					11.50			
	50.80	61.10		1	10.30					10.30			
	61.10	64.10		1	3.00					3.00			
	64.10	79.10		1	15.00					15.00			
	86.90	130.50		1	43.60					43.60			
	RHS												
	0.00	18.50		1	18.50					18.50			
	18.50	35.20		1	16.70					16.70			
	35.20	37.10		1	1.90					1.90			
	37.10	38.70		1	1.60					1.60			
	38.70	59.80		1	21.10					21.10			
	59.80	66.20		1	6.40					6.40			
	66.20	71.70		1	5.50					5.50			
	71.70	84.70		1	13.00					13.00			
	1st B Main Road												
	LHS												

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Bruhat Bengaluru Mahanagara Palike

Yelahanka Division

Name Of work : - Resurfacing of Roads at 4th Phase Yelahanka New Town and Surrounding Areas in Attur Ward No.03 of Yelahanka Sattelite Town Sub Division.

Job Code :- 004-23-000002

Name of Agency :- M/s Sri S. R Mohan Kumar

Bill No :- 1st and Part Bill

Measurements recorded on

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
5	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.(V-I.No 1.4.1,Page No-5 of PWD SR 2021-22)										
Measurements recorded on											
	Desilt										02-12-2022
	Santhosh Nagar										
	4th Main Road										
	LHS										
	0.00	13.00		1	13.00			0.60	0.40	3.12	
	13.00	26.40		1	13.40			0.60	0.45	3.62	
	26.40	32.60		1	6.20			0.60	0.45	1.67	
	32.60	61.70		1	29.10			0.60	0.43	7.51	
	61.70	68.80		1	7.10			0.60	0.48	2.04	
	68.80	85.80		1	17.00			0.60	0.50	5.10	
	85.80	89.00		1	3.20			0.60	0.45	0.86	
	89.00	94.60		1	5.60			0.60	0.43	1.44	
	94.60	105.00		1	10.40			0.60	0.50	3.12	
	RHS										
	0.00	13.00		1	13.00			0.60	0.43	3.35	
	13.00	26.40		1	13.40			0.60	0.45	3.62	
	26.40	32.60		1	6.20			0.60	0.48	1.79	
	32.60	61.70		1	29.10			0.60	0.47	8.21	
	61.70	68.80		1	7.10			0.60	0.50	2.13	
	68.80	85.80		1	17.00			0.60	0.50	5.10	
	85.80	89.00		1	3.20			0.60	0.40	0.77	
	89.00	94.60		1	5.60			0.60	0.42	1.41	
	94.60	105.00		1	10.40			0.60	0.45	2.81	
	4th Main Road 1st Cross										
	LHS										
	0.00	9.00		1	9.00			0.60	0.45	2.43	
	9.00	15.20		1	6.20			0.60	0.42	1.56	
	15.20	30.00		1	14.80			0.60	0.43	3.82	
	30.00	57.00		1	27.00			0.60	0.40	6.48	
	57.00	64.50		1	7.50			0.60	0.42	1.89	
	64.50	94.50		1	30.00			0.60	0.45	8.10	
	94.50	108.70		1	14.20			0.60	0.48	4.09	
	RHS										
	0.00	9.00		1	9.00			0.60	0.45	2.43	
	9.00	15.20		1	6.20			0.60	0.42	1.56	
	15.20	30.00		1	14.80			0.60	0.40	3.55	
	30.00	57.00		1	27.00			0.60	0.42	6.80	
	64.50	94.50		1	30.00			0.60	0.50	9.00	
	94.50	108.70		1	14.20			0.60	0.48	4.09	
	4th Main Road 2nd Cross										03-12-2022

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

ve Measurements

OQ / em	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	LHS										
	0.00	12.00		1	12.00			0.60	0.40	2.88	
	12.00	32.00		1	20.00			0.60	0.42	5.04	
	32.00	56.70		1	24.70			0.60	0.43	6.37	
	66.00	95.70		1	29.70			0.60	0.45	8.02	
	RHS										
	0.00	12.00		1	12.00			0.60	0.40	2.88	
	12.00	32.00		1	20.00			0.60	0.42	5.04	
	32.00	56.70		1	24.70			0.60	0.43	6.37	
	66.00	95.70		1	29.70			0.60	0.45	8.02	
	th Main Road 3rd Cross										
	LHS										
	0.00	8.00		1	8.00			0.60	0.45	2.16	
	8.00	11.00		1	3.00			0.60	0.40	0.72	
	11.00	29.00		1	18.00			0.60	0.42	4.54	
	RHS										
	0.00	8.00		1	8.00			0.60	0.45	2.16	
	8.00	11.00		1	3.00			0.60	0.43	0.77	
								Total		168.46	Cum

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

)Q	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
m	Chainage										
	150.00	165.00		1	15.00	8.35	8.30	8.33		124.88	
	165.00	180.00		1	15.00	8.30	8.20	8.25		123.75	
	180.00	195.00		1	15.00	8.20	8.30	8.25		123.75	
	195.00	210.00		1	15.00	8.30	8.10	8.20		123.00	
	210.00	225.00		1	15.00	8.10	8.05	8.08		121.13	
	225.00	240.00		1	15.00	8.05	7.80	7.93		118.88	
	240.00	255.00		1	15.00	7.80	8.25	8.03		120.38	
	255.00	270.00		1	15.00	8.25	8.15	8.20		123.00	
	270.00	285.00		1	15.00	8.15	8.15	8.15		122.25	
	285.00	300.00		1	15.00	8.15	8.40	8.28		124.13	
	300.00	315.00		1	15.00	8.40	8.20	8.30		124.50	
	315.00	330.00		1	15.00	8.20	7.90	8.05		120.75	
	330.00	345.00		1	15.00	7.90	8.30	8.10		121.50	
	345.00	360.00		1	15.00	8.30	8.25	8.28		124.13	
	360.00	375.00		1	15.00	8.25	8.20	8.23		123.38	
	375.00	390.00		1	15.00	8.20	8.40	8.30		124.50	
	390.00	405.00		1	15.00	8.40	8.30	8.35		125.25	
	405.00	420.00		1	15.00	8.30	8.20	8.25		123.75	
	420.00	435.00		1	15.00	8.20	8.40	8.30		124.50	
	435.00	450.00		1	15.00	8.40	8.30	8.35		125.25	
	450.00	465.00		1	15.00	8.30	8.35	8.33		124.88	
	465.00	480.00		1	15.00	8.35	8.15	8.25		123.75	
	480.00	495.00		1	15.00	8.15	8.30	8.23		123.38	
	495.00	504.00		1	9.00	8.30	8.20	8.25		74.25	
	504.00	512.00		1	8.00	9.60	12.20	10.90		87.20	
	512.00	519.00		1	7.00	12.20	10.00	11.10		77.70	
	519.00	522.00		1	3.00	10.00	9.60	9.80		29.40	
								Total		5325.95	Sqm

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
19	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH										
	Profile Correction										
	CQAL Layout										19-12-2022
	0.00	15.00		1	15.00	2.30	2.50	2.40	0.05	1.80	
	15.00	30.00		1	15.00	2.50	2.10	2.30	0.05	1.73	
	30.00	45.00		1	15.00	2.10	1.80	1.95	0.05	1.46	
	45.00	60.00		1	15.00	1.80	0.80	1.30	0.05	0.98	
	60.00	75.00		1	15.00	0.80	1.20	1.00	0.05	0.75	
	75.00	90.00		1	15.00	1.20	1.30	1.25	0.05	0.94	
	90.00	105.00		1	15.00	1.30	1.50	1.40	0.05	1.05	
	105.00	120.00		1	15.00	1.50	1.80	1.65	0.05	1.24	
	120.00	135.00		1	15.00	1.80	1.60	1.70	0.05	1.28	
	135.00	150.00		1	15.00	1.60	2.10	1.85	0.05	1.39	
	150.00	165.00		1	15.00	2.10	2.50	2.30	0.05	1.73	
	165.00	180.00		1	15.00	2.50	0.80	1.65	0.05	1.24	
	180.00	195.00		1	15.00	0.80	2.00	1.40	0.05	1.05	
	195.00	210.00		1	15.00	2.00	1.80	1.90	0.05	1.43	
	210.00	225.00		1	15.00	1.80	1.70	1.75	0.05	1.31	
	225.00	240.00		1	15.00	1.70	1.40	1.55	0.05	1.16	
	240.00	255.00		1	15.00	1.40	1.80	1.60	0.05	1.20	
	255.00	270.00		1	15.00	1.80	2.10	1.95	0.05	1.46	
	270.00	285.00		1	15.00	2.10	2.00	2.05	0.05	1.54	
	285.00	300.00		1	15.00	2.00	3.50	2.75	0.05	2.06	
	300.00	315.00		1	15.00	3.50	1.80	2.65	0.05	1.99	
	315.00	330.00		1	15.00	1.80	2.50	2.15	0.05	1.61	
	330.00	345.00		1	15.00	2.50	2.30	2.40	0.05	1.80	
	345.00	360.00		1	15.00	2.30	1.80	2.05	0.05	1.54	
	360.00	375.00		1	15.00	1.80	1.70	1.75	0.05	1.31	
	375.00	390.00		1	15.00	1.70	2.90	2.30	0.05	1.73	
	390.00	405.00		1	15.00	2.90	2.50	2.70	0.05	2.03	
	405.00	420.00		1	15.00	2.50	2.20	2.35	0.05	1.76	
	420.00	435.00		1	15.00	2.20	2.00	2.10	0.05	1.58	
	435.00	450.00		1	15.00	2.00	2.10	2.05	0.05	1.54	
	450.00	465.00		1	15.00	2.10	1.80	1.95	0.05	1.46	
	465.00	480.00		1	15.00	1.80	1.90	1.85	0.05	1.39	
	480.00	495.00		1	15.00	1.90	1.50	1.70	0.05	1.28	
	495.00	504.00		1	9.00	1.50	1.60	1.55	0.05	0.70	
	504.00	512.00		1	8.00	1.60	2.00	1.80	0.05	0.72	
	512.00	519.00		1	7.00	2.00	1.30	1.65	0.05	0.58	
	519.00	522.00		1	3.00	1.30	0.70	1.00	0.05	0.15	
								Total		49.92	Cum

Contractor

Consultant

Assistant Engineer

Assistant Exexutive Engineer

Bruhat Bengaluru Mahanagara Palike
Yelahanka Division

Name Of work :- Resurfacing of Roads at 4th Phase Yelahanka New Town and Surrounding Areas in Attur Ward No.45 of Yelahanka Sattelite Town Sub Division.
Work Code :- 004-23-000002
Name of Agency :- M/s Sri S. R Mohan Kumar
Bill No :- 1st and Part Bill
Measurements recorded on

SO / Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit	Rate	Amount
	Removing and resetting of footpath slab (Approved Rate)											21-12-2022
	Measurements recorded on											
	Santhosh Nagar											
	4th Main Road											
	LHS											
0.00	13.00		1	8.20			0.90		7.38			
13.00	26.40		1	9.80			0.90		8.82			
32.60	61.70		1	20.10			0.90		18.09			
68.80	85.80		1	14.00			0.90		12.60			
85.80	89.00		1	3.20			0.90		2.88			
89.00	94.60		1	5.60			0.90		5.04			
94.60	105.00		1	5.00			0.90		4.50			
	RHS											
0.00	13.00		1	13.00			0.90		11.70			
32.60	61.70		1	17.10			0.90		15.39			
68.80	85.80		1	11.00			0.90		9.90			
85.80	89.00		1	3.20			0.90		2.88			
89.00	94.60		1	5.60			0.90		5.04			
94.60	105.00		1	6.20			0.90		5.58			
	4th Main Road 3rd Cross											
	LHS											
0.00	9.00		1	9.00			0.90		8.10			
15.20	30.00		1	10.00			0.90		9.00			
30.00	57.00		1	21.00			0.90		18.90			
57.00	64.50		1	5.70			0.90		5.13			
64.50	94.50		1	12.00			0.90		10.80			
94.50	108.70		1	13.00			0.90		11.70			
	RHS											
0.00	9.00		1	9.00			0.90		8.10			
9.00	15.20		1	6.20			0.90		5.58			
15.20	30.00		1	10.00			0.90		9.00			
30.00	57.00		1	22.20			0.90		19.98			
64.50	94.50		1	22.80			0.90		20.52			
94.50	108.70		1	10.60			0.90		9.54			
	4th Main Road 2nd Cross											
	LHS											
0.00	12.00		1	12.00			0.90		10.80			
12.00	32.00		1	14.00			0.90		12.60			
32.00	56.70		1	19.90			0.90		17.91			
66.00	95.70		1	23.60			0.90		21.24			
	RHS											
0.00	12.00		1	12.00			0.90		10.80			
12.00	32.00		1	15.80			0.90		14.22			
32.00	56.70		1	20.50			0.90		18.45			
66.00	95.70		1	23.00			0.90		20.70			
	4th Main Road 1st Cross											
	LHS											
0.00	8.00		1	6.80			0.90		6.12			

Assistant Engineer

Assistant Executive Engineer

Consultant

BOQ Item	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth			Rate	Amount
9	Providing and fixing precast reinforced cement concrete covering slabs of 10cm thick made of M20 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc , for edges of slabs with TMT steel (Fe500) cost of all											
Measurements recorded on												
	Santhosh Nagar											21-12-2022
	4th Main Road											
	LHS											
	0.00	13.00		1	4.80			0.90		4.32		
	13.00	26.40		1	3.60			0.90		3.24		
	32.60	61.70		1	9.00			0.90		8.10		
	68.80	85.80		1	3.00			0.90		2.70		
	85.80	89.00		1	0.00			0.90		0.00		
	89.00	94.60		1	0.00			0.90		0.00		
	94.60	105.00		1	5.40			0.90		4.86		
	RHS											
	32.60	61.70		1	12.00			0.90		10.80		
	68.80	85.80		1	6.00			0.90		5.40		
	94.60	105.00		1	4.20			0.90		3.78		
	4th Main Road 3rd Cross											
	LHS											
	15.20	30.00		1	4.80			0.90		4.32		
	30.00	57.00		1	6.00			0.90		5.40		
	57.00	64.50		1	1.80			0.90		1.62		
	64.50	94.50		1	18.00			0.90		16.20		
	94.50	108.70		1	1.20			0.90		1.08		
	RHS											
	15.20	30.00		1	4.80			0.90		4.32		
	30.00	57.00		1	4.80			0.90		4.32		
	64.50	94.50		1	7.20			0.90		6.48		
	94.50	108.70		1	3.60			0.90		3.24		
	4th Main Road 2nd Cross											
	LHS											
	12.00	32.00		1	6.00			0.90		5.40		
	32.00	56.70		1	4.80			0.90		4.32		
	56.70	86.30		1	6.00			0.90		5.40		
	RHS											
	12.00	32.00		1	4.20			0.90		3.78		
	32.00	56.70		1	4.20			0.90		3.78		
	56.70	86.30		1	6.60			0.90		5.94		
	4th Main Road 1st Cross											
	LHS											
	0.00	8.00		1	1.20			0.90		1.08		
	11.00	29.00		1	6.00			0.90		5.40		
	RHS											
	0.00	8.00		1	0.60			0.90		0.54		
							Total qty			125.82	Sqm	2089.70	262926.05
11	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead											
Measurements recorded on												
	Santhosh Nagar											21-12-2022
	4th Main Road											

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BOQ Item	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit		unt
	LHS												
	0.00	13.00		1	6.00					6.00			
	13.00	26.40		1	1.00					1.00			
	32.60	61.70		1	8.10					8.10			
	89.00	94.60		1	1.30					1.30			
	94.60	105.00		1	2.40					2.40			
	RHS												
	0.00	13.00		1	5.00					5.00			
	32.60	61.70		1	11.10					11.10			
	68.80	85.80		1	5.00					5.00			
	94.60	105.00		1	3.40					3.40			
	4th Main Road 3rd Cross												
	LHS												
	15.20	30.00		1	8.80					8.80			
	30.00	57.00		1	6.00					6.00			
	64.50	94.50		1	6.00					6.00			
	94.50	108.70		1	4.20					4.20			
	RHS												
	15.20	30.00		1	6.30					6.30			
	30.00	57.00		1	9.50					9.50			
	64.50	94.50		1	8.60					8.60			
	94.50	108.70		1	1.80					1.80			
	4th Main Road 2nd Cross												
	LHS												
	12.00	32.00		1	2.00					2.00			
	32.00	56.70		1	3.70					3.70			
	66.00	95.70		1	4.60					4.60			
	RHS												
	12.00	32.00		1	1.00					1.00			
	32.00	56.70		1	1.70					1.70			
	66.00	86.30		1	8.10					8.10			
									Total	115.60			
									/0.45	256.89			
									Total qty	**257.00**	**Nos**	**511.33**	**131411.81**
18	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom. (V-III												
Measurements recorded on													
	Qty vide Pre measurement sheet page no .												
									Total qty	**5325.95**	**cum**	**13.31**	**70888.39**
19	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled vibratory												
Measurements recorded on													
	Qty vide Pre measurement sheet page no .												
									Total qty	**49.92**	**cum**	**10970.82**	**547663.33**
20	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled vibratory and tandem rollers to achieve the desired												
	CQAL Layout												**21-12-2022**

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BOQ Item	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit	Rate	Amount
	0.00	15.00		1	15.00	8.80	8.30	8.55	0.04	5.13			
	15.00	30.00		1	15.00	8.30	8.20	8.25	0.04	4.95			
	30.00	45.00		1	15.00	8.20	8.10	8.15	0.04	4.89			
	45.00	60.00		1	15.00	8.10	8.25	8.18	0.04	4.91			
	60.00	75.00		1	15.00	8.25	8.15	8.20	0.04	4.92			
	75.00	90.00		1	15.00	8.15	7.45	7.80	0.04	4.68			
	90.00	105.00		1	15.00	7.45	8.20	7.83	0.04	4.70			
	105.00	120.00		1	15.00	8.20	8.10	8.15	0.04	4.89			
	120.00	135.00		1	15.00	8.10	8.30	8.20	0.04	4.92			
	135.00	150.00		1	15.00	8.30	8.35	8.33	0.04	5.00			
	150.00	165.00		1	15.00	8.35	8.30	8.33	0.04	5.00			
	165.00	180.00		1	15.00	8.30	8.20	8.25	0.04	4.95			
	180.00	195.00		1	15.00	8.20	8.30	8.25	0.04	4.95			
	195.00	210.00		1	15.00	8.30	8.10	8.20	0.04	4.92			
	210.00	225.00		1	15.00	8.10	8.05	8.08	0.04	4.85			
	225.00	240.00		1	15.00	8.05	7.80	7.93	0.04	4.76			
	240.00	255.00		1	15.00	7.80	8.25	8.03	0.04	4.82			
	255.00	270.00		1	15.00	8.25	8.15	8.20	0.04	4.92			
	270.00	285.00		1	15.00	8.15	8.15	8.15	0.04	4.89			
	285.00	300.00		1	15.00	8.15	8.40	8.28	0.04	4.97			
	300.00	315.00		1	15.00	8.40	8.20	8.30	0.04	4.98			
	315.00	330.00		1	15.00	8.20	7.90	8.05	0.04	4.83			
	330.00	345.00		1	15.00	7.90	8.30	8.10	0.04	4.86			
	345.00	360.00		1	15.00	8.30	8.25	8.28	0.04	4.97			
	360.00	375.00		1	15.00	8.25	8.20	8.23	0.04	4.94			
	375.00	390.00		1	15.00	8.20	8.40	8.30	0.04	4.98			
	390.00	405.00		1	15.00	8.40	8.30	8.35	0.04	5.01			
	405.00	420.00		1	15.00	8.30	8.20	8.25	0.04	4.95			
	420.00	435.00		1	15.00	8.20	8.40	8.30	0.04	4.98			
	435.00	450.00		1	15.00	8.40	8.30	8.35	0.04	5.01			
	450.00	465.00		1	15.00	8.30	8.35	8.33	0.04	5.00			
	465.00	480.00		1	15.00	8.35	8.15	8.25	0.04	4.95			
	480.00	495.00		1	15.00	8.15	8.30	8.23	0.04	4.94			
	495.00	504.00		1	9.00	8.30	8.20	8.25	0.04	2.97			
	504.00	512.00		1	8.00	9.60	12.20	10.90	0.04	3.49			
	512.00	519.00		1	7.00	12.20	10.00	11.10	0.04	3.11			
	519.00	522.00		1	3.00	10.00	9.60	9.80	0.04	1.18			
								Total		173.10	Cum	12792.45	2214398.68
												Total	3435144.74
												18% GST	618326.05
												Grand Total	4053470.80

Consultant

Assistant Engineer

Assistant Executive Engineer